

INTERNATIONAL SEARCH REPORT

Int'l Application No
 PCT/IB 03/05357

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 157 654 A (CISNEROS ARTURO) 20 October 1992 (1992-10-20) column 7, line 12 – column 9, line 34 column 28, line 59 – column 43, line 68 -----	1-10
A	US 2002/097747 A1 (HEFFERNAN MICHAEL ET AL) 25 July 2002 (2002-07-25) paragraph '0005! – paragraph '0007! paragraph '0010! – paragraph '0030! paragraph '0057! – paragraph '0067! paragraph '0079! – paragraph '0104!; claims 6-16 -----	1-10
A	US 6 041 042 A (BUSSIERE RICHARD) 21 March 2000 (2000-03-21) the whole document -----	1-10



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

20 April 2004

Date of mailing of the international search report

29/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Ciurel, C

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/IB 03/05357

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5157654 A 20-10-1992 US 5539559 A			23-07-1996
US 2002097747 A1 25-07-2002	NONE		
US 6041042 A 21-03-2000	NONE		